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PATENT APPLICATION

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

IN THE APPLICATION OF MOTOHIRO YAMAHARA, ET AL

SERIAL NO.: 10/521,843

FILED: JANUARY 18, 2005

DOCKET NO.: SHARP-2

EXAMINER: UNKNOWN ART UNIT: UNKNOWN

TITLE: DENDRITIC POLYMER AND ELECTRONIC DEVICE ELEMENT

EMPLOYING THE POLYMER

WILMINGTON, DE DATE: October 7, 2005

INFORMATION DISCLOSURE STATEMENT

Mail Stop Amendments Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

Sir:

In compliance with the applicants' duty of disclosure under 37 CFR 1.56, and the requirements of 37 CFR 1.97 and 1.98, and to aid in the search and examination of the above identified application, the applicants note and enclose a copy of each of the following references:

Yamamoto, et al.	Japanese Patent Application Laid-Open No. 07-126616
Hitachi, Ltd., et al.	Japanese Patent Application Laid-Open No. 08-018125
Cambridge, et al.	Japanese Patent Application Laid-Open No. 10-092576
Mitsubishi	Japanese Patent Application Laid-Open No. 63-076378
Mitsubishi	Japanese Patent Application Laid-Open No. 2000-336171
Res Dev Corp.	Japanese Patent Application Laid-Open No. 04-133351
Mitsubishi	Japanese Patent Application Laid-Open No. 05-110069
Matsushita	Japanese Patent Application Laid-Open No. 07-206599
Tosoh	Japanese Patent Application Laid-Open No. 10-310561

Applicant: Motohiro Yamahara, et al.

Serial No.: 10/521,843 Filing Date: January 18, 2005

Pg. 2

Stanley Elec.

Japanese Patent Application Laid-open No. 09-059355

Samuel, et al.

WO 99/21935

Synthesis, Light Emission, and Optical Limiting of Hyperbranced Poly[Phenylene-alt-(2,5-Thienylene)s], Luo, J. et al., Polymer Preprints, vol.42, no.2, 2001, pgs. 527-528, XP009020396.

Poly(Amidoamine)(Pamam) Dendrimers: From Biomimicry to Drug Delivery and Biomedical Applications, Esfand, R., et al., Drug Discovery Today, Elsevier Science Ltd, GB, vol.6 no. 8, April 2001 (2001-04), pgs. 427-436, XP001029831 ISSN: 1359-6446.

Pentacene-Based Organic Thin-film Transistors, Yen-Yi Lin et al., IEEE Transactions on Electron Devices, vol. 44, No. 8 p. 1325-1331 (1997)

Electrically Conducting Dendrimers, L.L. Miller, et al.; J. Am. Chemistry Society, vol. 119, p. 1005-1010 (1997)

Masaaki Kakimoto, Chemistry, vol. 50, p. 608-612 (1995)

Dendritic Macromolecules, Masaaki Kakimoto, Kobunshi (High Polymers, Japan) vol. 47, p. 804-807 (1998)

Conducting Polymer and Its Electronically and Optically Functional Devices, Katsumi Yoshino, Mitsuyoshi Onoda, Polymer Electronics, Japan, Corona, p. 32. (1996)

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Starburst Molecules for Amorphous Molecular Materials, Shirota, Kobata, and Noma, Chemistry Letters, p. 1145-1148 (1989)

Palladium-Catalyzed Cross-Coupling Reactions of Aryl and Vinylic Boron Compounds with Organic Halides, Miyaura and Suzuki, Yuki Gosei Kagaku Kyokai Shi, Journal of Synthetic Organic Chemistry, Japan, vol. 46, p. 848 - 860 (1988)

Palladium-Catalyzed Cross-Coupling Reactions of Organoboron Compounds, Miyaura and Suzuki, Chemistry Rev., vol. 95, pgs. 2457-2483 (1995)

Recent Advances in the Cross-Coupling Reactions of Organoboron Derivatives with Organic Electrophiles, Suzuki, Journal of Organometallic Chemistry, vol. 576, pgs. 147-168 (1999) Applicant: Motohiro Yamahara, et al.

Serial No.: 10/521,843

Filing Date: January 18, 2005

Pg. 3

English abstracts or concise English language explanations of each of the above patent publications are also enclosed along with a copy of PTO form 1449.

Respectfully submitted,

Attorney for Applicants
Registration No. 24,673

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Enclosures
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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

Complete if Known				
Application Number	10/521,843			
Filing Date	January 18, 2005			
First Named Inventor	Motohiro Yamahara			
Art Unit				
Examiner Name				
Attomey Docket Number	Sharp-2			

U. S. PATENT DOCUMENTS					
Examiner Initials*	Cite No.1	Document Number Number-Kind Code ^{2 (F known)}	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevan Figures Appear
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	FOREIGN PATENT DOCUMENTS					
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		JP-07-126616	05-16-1995	Yamamoto Ryuich		
		JP-08-018125	01-19-1996	Hitachi, Ltd		
		JP-10-092576	04-10-1998	Cambridge Displ		
		JP-63-076378	04-06-1988	Mitsubishi Elec		
	_	JP-2000-336171	12-05-2000	Mitsubishi Chem		
		JP-04-133351	05-07-1992	Res Dev Corp of		

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Substitute for form 1449/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)

Sheet 2

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Application Number	10/521,843	
Filing Date	January 18, 2005	
First Named Inventor	Motohiro Yamahara	
Art Unit		
Examiner Name		
Attorney Docket Number	Sharp-2	フ

Examiner	Cite	Document Number	U. S. PATENT D Publication Date	Name of Patentee or	Pages, Columns, Lines, Where
Initials*	Cite No 1	Document Number	MM-DD-YYYY	Applicant of Cited Document	Relevant Passages or Relevant
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Examiner Initials*	Cite No.	Foreign Patent Document	Publication Date	Publication Name of Patentee or	Pages, Columns, Lines, Where Relevant Passages	ges
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		JP-05-110069	04-30-1993	Mitsubishi Elec		
		JP-07-206599	08-08-1995	Matsushita Elec		
		JP-10-310561	11-24-1998	Tosoh Group		Г
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Substitute for form 1449/PTO	Complete if Known		
	Application Number	10/521,843	
INFORMATION DISCLOSURE	Filing Date	January 18, 2005	
STATEMENT BY APPLICANT	First Named Inventor	Motohiro Yamahara	
	Art Unit		
(Use as many sheets as necessary)	Examiner Name		
Sheet 1 of 2	Attorney Docket Number	Sharp-2	

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Examiner Initials*	Cite No.1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the Item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
		LUO, PENG, CHENG, ZHONG TANG, Synthesis, Light Emission, and Optical Limiting of Hyperbranced Poly(Phenylene-alt-(2,5-Thienylene)s), Polymer Preprints, 2001, p. 527-528.	
		ESFAND, TOMALIA, Poly(Amidoamine)(Pamam) Dendrimers: From Biomimicry to Drug Delivery and Biomedical Applications, Drug Discovery Today, April 8, 2001,p.427-436, Vol. 6, No. 8	
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		KAKIMOTO, Chemistry, 1995, p. 608-612, Vol. 50.	
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		NON PATENT LITERATURE DOCUMENTS	_
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		MIYAURA, SUZUKI, Palladium-Catalyzed Cross-Coupling Reactions of Organoboron Compounds, Chemistry Rev., 1995, p. 2457-2483, Vol 95, No. 7	
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